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Abstract

A method for efficiently screening full-length cDNA clones, the method comprising determining a nucleotide sequence of the 5'-region of a clone contained in a cDNA library prepared by a method for constructing a full length-enriched cDNA library and examining the presence or absence and the location of a translation initiation codon in the 5'-region using an originally developed program for predicting initiation codons in cDNA. This originally developed program accurately predicts the presence or absence and the location of initiation codons and efficiently screens full-length cDNA clones by selecting clones judged as containing an initiation codon from a cDNA library. Moreover, a cDNA library extremely rich in full-length cDNAs can be constructed by combing the selected clones.

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